



REFERENCES AND SUGGESTED READINGS

- Abott, A.V., and Wilson, D.G. (Eds.). (1996). *Human-powered vehicles*. Champaign, IL: Human Kinetics.
- Adrian, M.J. (1980). The true meaning of biomechanics. In J.M. Cooper and B. Haven (Eds.), *Proceedings of the Biomechanics Symposium* (pp. 14-21). Indianapolis: Indiana State Board of Health.
- Alexander, R.M. (1992). *The human machine*. New York: Columbia University Press.
- Arend, S., and Higgins, J.R. (1976). A strategy for the classification, subjective analysis and observation of human movement. *Journal of Human Movement Studies*, 2:36-52.
- Aristotle. (1912). *De motu animalium*. (A.S.L. Farquharson, Trans.). In J.A. Smith and W.D. Ross (Eds.), *The works of Aristotle* (Vol. V, pp. 698-704). Oxford: Clarendon Press.
- Atwater, A.E. (1980). Kinesiology/biomechanics: Perspectives and trends. *Research Quarterly for Exercise and Sport*, 51:193-218.
- Bartonietz, K., and Borgtom, A. (1995). The throwing events at the World Championships in Athletics 1995, Goteborg: Techniques of the world's best athletes. Part 1: shot put and hammer throw. *New Studies in Athletics*, 10(4):43-63.
- Bennell, K.L., Malcolm, S.A., Wark, J.D., and Brukner, P.D. (1996). Models for the pathogenesis of stress fractures in athletes. *British Journal of Sports Medicine*, 30(3):200-204.
- Blackwell, J.R., and Cole, K.J. (1994). Wrist kinematics differ in expert and novice tennis players performing the backhand stroke: Implications for tennis elbow. *Journal of Biomechanics*, 27(5):509-516.
- Brancazio, P.J. (1984). *Sports science: Physical laws and optimum performance*. New York: Simon and Schuster.
- Braun, G.L. (1941). Kinesiology: From Aristotle to the twentieth century. *Research Quarterly*, 12:163-173.
- Brody, D.M. (1987). Running injuries: Prevention and management. *Clinical Symposia*, 39(3). New Jersey: Ciba-Geigy Corporation.
- Brown, E.W. (1982). Visual evaluation techniques for skill analysis. *Journal of Physical Education, Recreation and Dance*, 53(1):21-26, 29.
- Brown, R.M., and Counsilman, J.E. (1971). The role of lift in propelling swimmers. In J.M. Cooper (Ed.), *Selected topics on biomechanics—Proceedings of the C.I.C. Symposium on Biomechanics* (pp. 179-188). Chicago: Athletic Institute.
- Brüggemann, G.P., and Glad, B. (1989). Time analysis of sprint events. In G.P. Brüggemann and B. Glad (Eds.), *International Amateur Athletic Federation scientific research project at the Games of the XXIVth Olympiad, Seoul 1988, final report* (pp. 11-89). Monaco: International Athletic Foundation.
- Bunn, J. (1955). *Scientific principles of coaching*. Englewood Cliffs, NJ: Prentice-Hall.
- Cavanagh, P.R. (1990). The mechanics of distance running: A historical perspective. In P.R. Cavanagh (Ed.), *Biomechanics of distance running* (pp. 1-34). Champaign, IL: Human Kinetics.
- Cureton, T.K., Jr. (1930). Mechanics and kinesiology of the crawl flutter kick. *Research Quarterly*, 1(4):93-96.
- Cureton, T.K., Jr. (1939). Elementary principles and techniques of cinematographic analysis. *Research Quarterly*, 10(2):3-24.
- Damask, A.C., and Damask, J.N. (1990). *Injury causation analyses: Case studies and data sources*. Charlottesville, VA: Michie Co.
- Fenn, W.O. (1930). Frictional and kinetic factors in the work of sprint running. *American Journal of Physiology*, 92:583-611.
- Fenn, W.O. (1931a). Work against gravity and work due to velocity changes in running. *American Journal of Physiology*, 93:433-462.
- Fenn, W.O. (1931b). A cinematographic study of sprinters. *The Scientific Monthly*, 32:346-354.
- Frey, C. (1997). Footwear and stress fractures. *Clinics in Sports Medicine*, 16(2):249-257.
- Grimston, S.K., Engsberg, J.R., Kloiber, R., and Hanley, D.A. (1991). Bone mass, external loads, and stress fractures in female runners. *International Journal of Sport Biomechanics*, 7:293-302.

- Grimston, S.K., Willows, N.D., and Hanley, D.A. (1993). Mechanical loading regime and its relationship to bone mineral density in children. *Medicine and Science in Sports and Exercise*, 25(11):1203-1210.
- Haapasalo, H., Sievanen, H., Kannus, P., Heinonen, A., Oja, P., and Vuori, I. (1996). Dimensions and estimated mechanical characteristics of the humerus after long-term tennis loading. *Journal of Bone and Mineral Research*, 11(6): 864-872.
- Hall, S.J. (1995). *Basic biomechanics* (2nd ed.). St. Louis: Mosby.
- Hamill, J., and Knutzen, K.M. (1995). *Biomechanical basis of human movement*. Baltimore: Williams and Wilkins.
- Hatze, H. (1974). The meaning of the term 'Biomechanics.' *Journal of Biomechanics*, 7:189-190.
- Hay, J.G. (Spring 1983, No. 10). Biomechanics of sport—exploring or explaining (Part I). *International Society of Biomechanics Newsletter*, pp. 912.
- Hay, J.G. (Summer 1983, No. 11). Biomechanics of sport—exploring or explaining (Part II). *International Society of Biomechanics Newsletter*, pp. 59.
- Hay, J.G. (1984). The development of deterministic models for qualitative analysis. In R. Shapiro and J.R. Marett (Eds.), *Proceedings: Second National Symposium on Teaching Kinesiology and Biomechanics in Sports* (pp. 71-83). Colorado Springs: NASPE.
- Hay, J.G., and Reid, J.G. (1982). *The anatomical and mechanical bases of human movement*. Englewood Cliffs, NJ: Prentice-Hall.
- Hill, A.V. (1928). The air resistance to a runner. *Proceedings of the Royal Society, B*, 102:43-50.
- James, S.L., Bates, B.T., and Osternig, L.R. (1978). Injuries to runners. *American Journal of Sports Medicine*, 6(2): 40-50.
- Jenkins, D.B. (1991). *Hollinshead's functional anatomy of the limbs and back* (6th ed.). Philadelphia: W.B. Saunders.
- Knudson, D., and Morrison, C. (1997). *Qualitative analysis of human movement*. Champaign, IL: Human Kinetics.
- Kreighbaum, E.F., and Smith, M.A. (Eds.). (1995). *Sports and fitness equipment design*. Champaign, IL: Human Kinetics.
- Lane, F.C. (1912). One hundred and twenty-two feet a second. *The Baseball Magazine*, 10(2):22-25, 104, 106, 110.
- LeVeau, B.F. (1992). *Williams & Lissner's biomechanics of human motion* (3rd ed.). Philadelphia: W.B. Saunders.
- Maffulli, N., and King, J.B. (1992). Effects of physical activity on some components of the skeletal system. *Sports Medicine*, 13(6):393-407.
- Marey, E.J. (1972). *Movement*. (E. Pritchard, Trans.). New York: Amo. (Reprint edition; original translation published 1895 by D. Appleton Co., New York.)
- McCaw, S.T. (1992). Leg length inequality: Implications for running injury prevention. *Sports Medicine*, 14(2): 422-429.
- McClay, I., and Manal, K. (1997). Coupling parameters in runners with normal and excessive pronation. *Journal of Applied Biomechanics*, 13:109-124.
- McNitt-Gray, J. (1991). Kinematics and impulse characteristics of drop landings from three heights. *International Journal of Sport Biomechanics*, 7:201-224.
- McNitt-Gray, J., Yokoi, T., and Millward, C. (1993). Landing strategy adjustments made by female gymnasts in response to drop height and mat composition. *Journal of Applied Biomechanics*, 9:173-190.
- McNitt-Gray, J., Yokoi, T., and Millward, C. (1994). Landing strategies used by gymnasts in response to different surfaces. *Journal of Applied Biomechanics*, 10:237-252.
- McPherson, M.N. (1988). The development, implementation, and evaluation of a program designed to promote competency in skill analysis. *Dissertation Abstracts International*, 48:3071A.
- Messier, S.P., Davis, S.E., Curl, W.W., Lowery, R.B., Pack, R.J. (1991). Etiologic factors associated with patellofemoral pain in runners. *Medicine and Science in Sports and Exercise*, 23: 1008-1015.
- Milhoces, Gary. (2003, March 2). The hardest: Getting bat to meet the ball. USA Today. Retrieved May 6, 2004 from http://www.usatoday.com/sports/2003-03-02-ten-hardest-hitting-baseball_x.htm.
- Morris, M., Jobe, F.W., and Perry, J. (1989). Electromyographic analysis of elbow function in tennis players. *American Journal of Sports Medicine*, 17:241-247.
- Nelson, R.C. (1970). Biomechanics of sport: An overview. In J.M. Cooper (Ed.), *Selected topics on biomechanics—Proceedings of the C.I.C. Symposium on Biomechanics* (pp. 31-37). Chicago: Athletic Institute.
- Nelson, R.C. (1980). Biomechanics: Past and present. In J.M. Cooper and B. Haven (Eds.), *Proceedings of the Biomechanics Symposium* (pp. 4-13). Indianapolis: Indiana State Board of Health.
- Newton, I. (1934). *Principia* (Vol. I-II, Andrew Motte's translation revised by Florian Cajori). Berkeley: University of California Press. (Original work published 1686, Motte's English translation, 1729.)
- Nigg, B.M. (Ed.). (1986). *Biomechanics of running shoes*. Champaign, IL: Human Kinetics.
- Nordin, M., and Frankel, V.H. (1989). *Basic biomechanics of the musculoskeletal system* (2nd ed.). Philadelphia: Lea and Febiger.
- Norman, R.W. (1977). An approach to teaching the mechanics of human motion at the undergraduate level. In C.J. Dillman and R.G. Sears (Eds.), *Proceedings: Kinesiology, A National Conference on Teaching* (pp. 113-123). Champaign, IL: University of Illinois.

- Riek, S., Chapman, A.E., and Milner, T. (1999). A simulation of muscle force and internal kinematics of extensor carpi radialis brevis during backhand tennis stroke: Implications for injury. *Clinical Biomechanics*, 14:477-483.
- Rodgers, M.M. (1993). Biomechanics of the foot during locomotion. In M.D. Grabiner (Ed.), *Current issues in biomechanics*. Champaign, IL: Human Kinetics.
- Scott, S.H., and Winter, D.M. (1990). Internal forces at chronic running injury sites. *Medicine and Science in Sports and Exercise*, 22(3):357-369.
- Steindler, A. (1935). *Mechanics of normal and pathological locomotion in man*. Springfield, IL: Charles C Thomas.
- Viano, D.C., King, A.I., Melvin, J.W., and Weber, K. (1989). Injury biomechanics research: An essential element in the prevention of trauma. *Journal of Biomechanics*, 22(5):403-417.
- Webster's New World Dictionary* (3rd Coll. ed.). (1988). New York: Simon and Schuster.
- Westfall, R. (1993). *The life of Isaac Newton*. Cambridge: Cambridge University Press.
- Whitt, F.R., and Wilson, D.G. (1982). *Bicycling science* (2nd ed.). Cambridge, MA: MIT Press.
- Williams, K.R. (1985). Biomechanics of running. In R.L. Terjung (Ed.), *Exercise and Sport Science Reviews*, 13.
- Williams, K.R. (1993). Biomechanics of distance running. In M.D. Grabiner (Ed.), *Current issues in biomechanics*. Champaign, IL: Human Kinetics.
- Woodburne, R.T. (1978). *Essentials of human anatomy* (6th ed.). New York: Oxford University Press.
- Yamada, H. (1970). *Strength of biological materials*. Baltimore: Williams and Wilkins.
- Zatsiorsky, V.M. (1978). The present and future of the biomechanics of sports. In F. Landry and W.A.R. Orban (Eds.), *Biomechanics of sports and kinanthropometry* (pp. 11-17). Miami: Symposia Specialists, Inc.
- Zebas, C., and Chapman, M. (1990). *Prevention of sports injuries: A biomechanical approach*. Dubuque, IA: Eddie Bowers.
- Zernicke, R.F., Garhammer, J., and Jobe, F.W. (1977). Human patellar-tendon rupture. *The Journal of Bone and Joint Surgery (American)*, 59-A(2):179-183.